Amendments to the Claims

1. (currently amended) An apparatus, comprising:

a primary antenna having a gain; and

a secondary antenna having a gain greater than the gain of the primary antenna, wherein the gain of the secondary antenna is at least about 6 dBi;

wherein the primary antenna is a transmit and receive antenna and the secondary antenna is a receive only antenna.

2. (canceled)

3. (original) The apparatus of claim 1, wherein the gain of the secondary antenna is at lest about 12 dBi.

4. (original) The apparatus of claim 1, wherein the gain of the primary antenna is less than about 6 dBi.

5. (original) The apparatus of claim 1, wherein the gain of the primary antenna is less than about 3 dBi.

6. (original) The apparatus of claim 1, wherein the primary antenna is a dipole antenna and the secondary antenna is a dipole antenna.

7. (original) The apparatus of claim 1, wherein the secondary antenna is a stacked dipole antenna.

8. (original) The apparatus of claim 1, wherein the primary antenna is a dipole antenna, a microstrip patch antenna, or an inverted-F antenna.

9. (cancelled)

10. (original) The apparatus of claim 1, further comprising a power amplifier (PA) having an output terminal coupled to the primary antenna via a switch.

11. (original) The apparatus of claim 10, wherein the power amplifier has an output power of at least about 17 dBm.

12. (original) The apparatus of claim 1, further comprising a low noise amplifier (LNA) having an input terminal selectively coupled to either the primary antenna or the secondary antenna.

13. (previously amended) An apparatus, comprising:

a first antenna to transmit and receive signals; and

a second antenna to only receive signals and having a gain greater than a gain of the first antenna, wherein the second antenna is separate from the first antenna.

14. (previously amended) The apparatus of claim 13, wherein the gain of the second antenna is at least about 6 dBi.

15. (original) The apparatus of claim 13, wherein the gain of the first antenna is less than about 6 dBi.

16. (currently amended) A system, comprising:

a wireless local area network (WLAN) device comprising:

a primary antenna having a gain; and

a secondary antenna having a gain greater than the gain of the primary antenna, wherein the secondary antenna has a gain of at least about 6 dBi;

wherein the primary antenna is a transmit and receive antenna and the secondary antenna is a receive only antenna.

17. (original) The system of claim 16, wherein the WLAN device is an access point (AP).

18. (previously amended) The system of claim 16, wherein the primary antenna has a gain of less than about 6 dBi.

19. (previously amended) A method, comprising:

receiving a first signal from a transmit and receive antenna; and

receiving a second signal from a receive only antenna, wherein the receive only antenna has a gain greater than a gain of the transmit and receive antenna and wherein the receive only antenna is separate from the transmit and receive antenna.

20. (original) The method of claim 19, comparing the signal strength of the first signal to the signal strength of the second signal.

21. (previously amended) The method of claim 19, further comprising coupling an input terminal of a low noise amplifier (LNA) to the receive only antenna if the signal strength of the second signal is greater than the signal strength of the first signal.

22. (previously amended) The method of claim 21, further comprising transferring a transmission signal for transmission over the air from an output terminal of a power amplifier (PA) to the transmit and receive antenna.

23. (previously amended) A method, comprising:

selectively switching between either a primary antenna or a diversity antenna to receive signals, wherein a gain of the primary antenna is less than a gain of the diversity antenna and the diversity antenna is discrete from the primary antenna.

24. (previously amended) The method of claim 23, further comprising:

transmitting a signal using the primary antenna;

receiving a signal using the primary antenna; and

receiving a signal using the diversity antenna.

25. (original) The method of claim 23, further comprising coupling an input terminal of a low noise amplifier (LNA) to the diversity antenna after comparing signal strengths of signals received by the primary and diversity antennas.